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INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

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Application Number	
Filing Date	
First Named Inventor	Pallaoro, et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	ITR0053YP

Sheet

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of

4

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
/M.M./		Archer, et al., "Histone acetylation and cancer", Curr. Opin. Genet. Devel., Vol. 9, pp. 171-174, 1999.
		Archer, et al., "p21WAF1 is required for butyrate-mediated growth inhibition of human colon cancer cells", PNAS USE, Vol. 95, pp. 6791-6796, June 1998.
		Colletti, et al., "Tryptophan-replacement and indole-modified apicidins: synthesis of potent and selective antiprotozoal agents", Tetrahedron Letters, Vol. 41, pp. 7825-7829, 2000.
		Colletti, et al., "Design and synthesis of histone deacetylase inhibitors: the development of apicidin transition state analogs", Tetrahedron Letters, Vol. 41, pp. 7837-7847, 2000.
		Colletti, et al., "Broad Spectrum Antiprotozoal Agents that Inhibit Histone Deacetylase: Structure-Activity Relationships of Apicidin. Part 1", Bioorganic & Medicinal Chemistry Letters, Vol. 11, pp. 107-111, 2001.
		Colletti, et al., "Broad Spectrum Antiprotozoal Agents that Inhibit Histone Deacetylase: Structure-Activity Relationships of Apicidin. Part 2", Bioorganic & Medicinal Chemistry Letters, Vol. 11, pp. 113-117, 2001.
		Cress, et al., "Histone Deacetylases, Transcriptional Control, and Cancer", J. of Cellular Physiol., Vol. 184, pp. 1-16, 2000.
		Egawa, et al., "Identification of Active Substances from Streptomyces Culture Fluids Using p53-Independent Expression of p21/WAF1/Cip1 Gene and Their Mode of Action", Biol. Pharm. Bull. Vol. 21, Issue 9, pp. 899-904, 1998.
		Furumai, et al., "FK228 (Depsipeptide) as a Natural Prodrug That Inhibits Class I Histone Deacetylases", Cancer Research, Vol. 62, pp. 4916-4921, 2002.
		Galarneau, et al., "β-lactamase protein fragment complementation assays as in vivo and in vitro sensors of protein-protein interactions", Nature Biotechnology, pp. 319-622, 2002.
		GenBank Accession No. AF497972
		GenBank Accession No. U24170
		GenBank Accession No. Z85996
		Grozinger, et al., "Deacetylase Enzymes: Biological Functions and the Use of Small-Molecule Inhibitors", Chemistry & Biology, Vol. 9, pp. 3-16, 2002.
/M.M./		Han, et al., "Activation of p21WAF1/Cip1 Transcription through Sp1 Sites by Histone Deacetylase Inhibitor Apicidin", J. Biol. Chem., Vol. 276, pp. 42084-42090, 2001.

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Sheet	3	of	4	Attorney Docket Number	
				ITR0053YP	

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
/M.M./		Huang, et al., "Activation of the p21WAF1/CIP1 promoter independent of p53 by the histone deacetylase inhibitor suberoylanilide hydroxyamic acid (SAHA) through the Sp1 sites", <i>Oncogene</i> , Vol 19, pp. 5712-5712, 2000.
		Johnstone, et al., "Histone-Deacetylase Inhibitors: Novel Drugs For The Treatment of Cancer", <i>Nature Reviews/ Drug Discovery</i> , Vol. 1, pp. 287-299, 2002.
		Ju, et al., "Histone Deacetylase Inhibitors Activate p21WAF1 Expression via ATM", <i>Cancer Research</i> , Vol. 63, pp. 2891-2897, 2003.
		Kramer, et al., "Histone deacetylase as a therapeutic target", <i>Trends Endocrin. Metabol.</i> , Vol. 12, pp. 294-300, 2001.
		Marks, et al., "Histone Deacetylases and Cancer: Causes and Therapies", <i>Nature Reviews/Cancer</i> , Vol. 1, pp. 194-202, 2001.
		Meinke, et al., "Histone Deacetylase: A Target for Antiproliferative and Antiprotozoal Agents", <i>Current Medicinal Chemistry</i> , Vol. 8, pp. 211-235, 2001.
		Meinke, et al., "Synthesis of Apicidin-Derived Quinolone Derivatives: Parasite-Selective Histone Deacetylase Inhibitors and Antiproliferative Agents", <i>J. Med. Chem.</i> , Vol. 43, pp. 4919-4922, 2000.
		Meinke, et al., "Synthesis of side chain modified apicidin derivatives: potent mechanism-based histone deacetylase inhibitors", <i>Tetrahedron Letters</i> , Vol. 41, pp. 7831-7835, 2000.
		Nakano, et al., "Butyrate Activates the WAF1/Cip1 Gene Promoter through Sp1 Sites in a p53-negative Human Colon Cancer Cell Line*", <i>J. of Biol. Chem.</i> , Vol. 272, No. 35, pp. 22199-22206, 1997.
		Nare, et al., "Development of a Scintillation Proximity Assay for Histone Deacetylase Using a Biotinylated Peptide Derived from Histone-H4", <i>Analytical Biochemistry</i> , Vol. 267, pp. 390-396, 1999.
		Perez, et al., "Discovery and SAR of NVP-LAQ824, a novel histone deacetylase inhibitor with in vitro and in vivo antitumor activity", <i>Proc. Am. Assoc. Cancer Res.</i> , Vol. 43, Vol. 740, #3671, 2002.
		Richon, et al., "Histone deacetylase inhibitor selectively induces p21WAF1 expression and gene-associated histone acetylation", <i>PNAS</i> , Vol. 97, No. 18, pp. 10014-10019, 2000.
		Sambucetti, et al., "Histone Deacetylase Inhibition Selectively Alters the Activity and Expression of Cell Cycle Proteins Leading to Specific Chromatin Acetylation and Antiproliferative Effects", <i>J. of Biol. Chem.</i> , Vol. 274, No. 49, pp. 34940-34947, 1999.
↓		Sowa, et al., "Histone Deacetylase Inhibitor Activates the WAF1/Cip1 Gene Promoter through the SP1 Sites", <i>Biochem. and Biophys. Res. Comm.</i> , Vol. 241, pp. 142-150, 1997.
/M.M./		Sowa, et al., "Sp3, but not Sp1 Mediates the Transcriptional Activation of the P21/WAF1,Cip1 Gene Promoter by Histone Deacetylase Inhibitor", <i>Cancer Research</i> , Vol. 59, pp. 4266-4270, 1999.

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